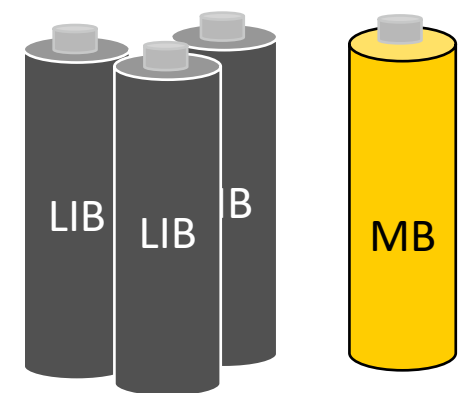
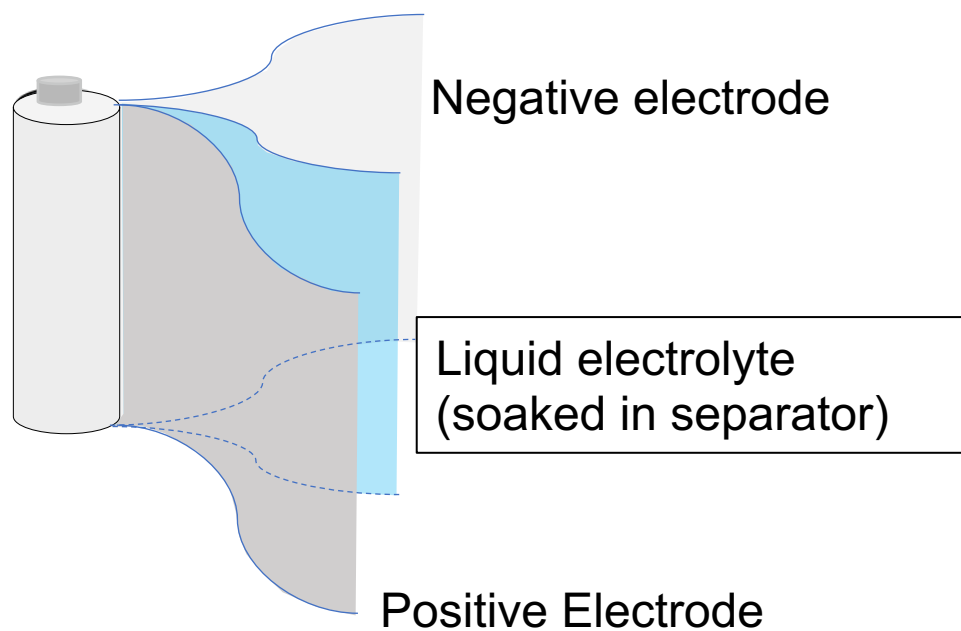


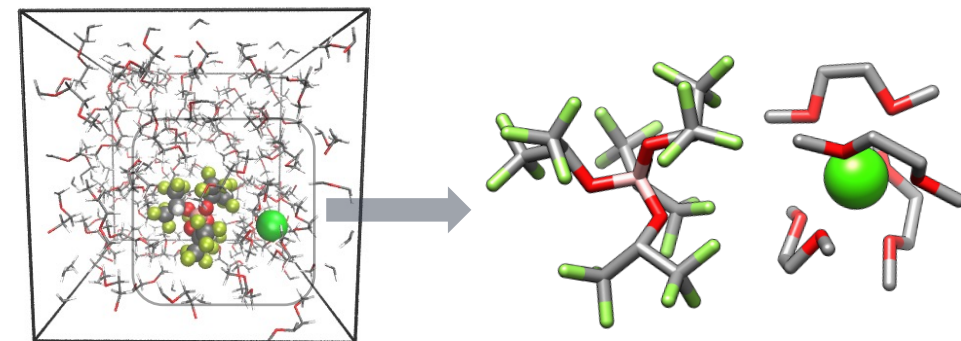
Lithium ion and multivalent batteries



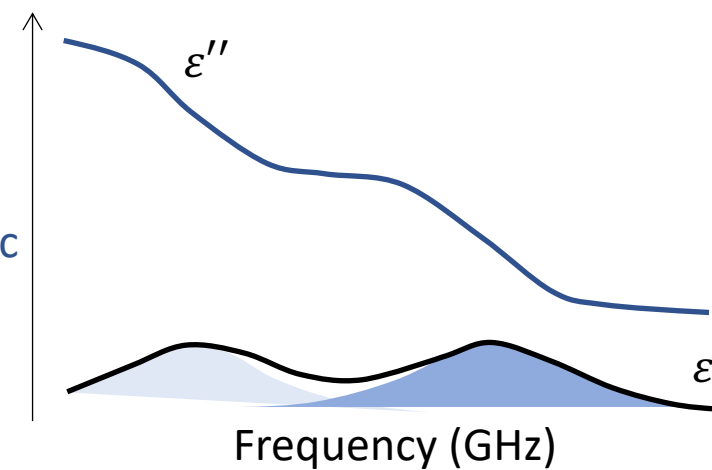
$\text{Li}^+, \text{M}^{\text{z}+}$
 $\text{M}^{\text{z}+}: \text{Mg}^{2+}, \text{Ca}^{2+}, \text{Zn}^{2+}, \text{Al}^{3+}$



Molecular motifs in solution



Spectroscopic response



Concentration profile in electrochemical cell

